

02-02-01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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|---------------|---|----------|-------------------|----------|
| DOCKET NUMBER | ANTICIPATED CLASSIFICATION OF THIS APPLICATION: | | PRIOR APPLICATION | |
| | CLASS | SUBCLASS | EXAMINER | ART UNIT |
| VLSI.225DIV1 | | | G. GOUDREAU | 1763 |

CERTIFICATE UNDER 37 CFR 1.10

'Express Mail' mailing label number: EL735699304US

Date of Deposit: February 1, 2001

I hereby certify that this paper or fee is being deposited with the United States Postal Service 'Express Mail Post Office To Addressee' service under 37 CFR 1.10 and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

By

Name: Lynda J. Baker

DIVISIONAL APPLICATION UNDER 37 C.F.R. § 1.53

Assistant Commissioner for Patents
Washington, DC 20231

Dear Sir:

This is a request for filing a divisional application under 37 CFR § 1.53 of Serial No. 09/201,987, filed on December 1, 1998 entitled OPTIMIZED METAL ETCH PROCESS TO ENABLE THE USE OF ALUMINUM PLUGS by the following inventor(s):

| | | | |
|-------------------------|---|--|---|
| Full Name Of Inventor | Family Name ZHENG | First Given Name TAMMY | Second Given Name |
| Residence & Citizenship | City FREMONT | State or Foreign Country CALIFORNIA | Country of Citizenship P.R. OF CHINA |
| Post Office Address | Post Office Address 34460 ANTELOPE DRIVE | City FREMONT | State & Zip Code/Country CA/94539/U S A. |

| | | | |
|-------------------------|--|--|---|
| Full Name Of Inventor | Family Name GABRIEL | First Given Name CALVIN | Second Given Name TODD |
| Residence & Citizenship | City CUPERTINO | State or Foreign Country CALIFORNIA | Country of Citizenship U S A. |
| Post Office Address | Post Office Address 1496 ROSE GARDEN LANE | City CUPERTINO | State & Zip Code/Country CA/95014/U S A. |

| | | | |
|-------------------------|--|--|---|
| Full Name Of Inventor | Family Name SENGUPTA | First Given Name SAMIT | Second Given Name |
| Residence & Citizenship | City SAN JOSE | State or Foreign Country CALIFORNIA | Country of Citizenship INDIA |
| Post Office Address | Post Office Address 259 NORTH CAPITOL AVENUE, APT. #281 | City SAN JOSE | State & Zip Code/Country CA/95127/U.S A. |

1. ☒ Enclosed is a true and correct copy of the prior application; including the specification, claims, drawings, oath or declaration showing the applicant's signature, and any amendments referred to in the oath or declaration filed to complete the prior application. (It is noted that no amendments referred to in the oath or declaration filed to

complete the prior application introduced new matter therein.) The copy of the prior application is as follows: 24 pages of specification, 26 claims, 1 page of abstract, 4 sheets of drawings, and 3 pages of oath or declaration.

2. ☒ Please simultaneously cancel in this application original claims 1-26 of the prior application and add new claims 27-46 before calculating the filing fee.
3. ☒ The filing fee is calculated below:

CLAIMS AS FILED

| NUMBER FILED | NUMBER EXTRA | | RATE | FEE |
|----------------------------|--------------|---|-------------------|----------|
| TOTAL CLAIMS: 20 -20 | 0 | X | \$18.00 | \$0.00 |
| INDEPENDENT CLAIMS 2 -3 | 0 | X | \$78.00 | \$0.00 |
| | | | BASIC FILING FEE: | \$710.00 |
| | | | TOTAL FILING FEE: | \$710.00 |
| | | | | |

☐ A Verified Statement that this filing is by a small entity is already filed in the prior application.

☐ A Verified Statement that this filing is by a small entity is attached.

☒ Payment of fees:

☒ Please charge Deposit Account No. 50-0996 (VLSI.225DIV1).

☒ Amend the specification by inserting before the first line the sentence:

"This is a Divisional of Application Serial No. 09/201,987, filed December 1, 1998, (incorporated herein by reference) to which priority is claimed."

7. ☒ A set of formal drawings (4 sheets) is enclosed.

8. ☐ Priority of application Serial No. _____, filed on _____ in _____, is claimed under 35 U.S.C. 120.

☐ The certified copy has been filed in prior application Serial No. _____, filed _____.

9. ☒ The prior application is assigned of record to VLSI Technology, Inc., now Philips Semiconductors, Inc.

10. ☒ The Power of Attorney in the prior application is to:

Crawford PLLC
1270 Northland Drive, Suite 390
St. Paul, MN 55120

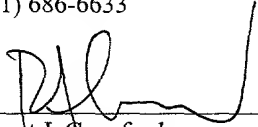
11. ☒ A preliminary amendment is enclosed. (Claims added by this amendment have been properly numbered consecutively beginning with the number next following the highest numbered original claim in the prior application.)

- ☐ Fee for excess claims is attached.
12. ☐ A petition and fee has been filed to extend the term in the prior application until _____. A copy of the petition for extension of time in the prior application is attached.
13. ☐ The inventor(s) in this application are less than those named in the prior application and it is requested that the following inventors identified above for the prior application be deleted:
14. ☐ Also Enclosed:
15. ☒ Address all future communications to the **Attention of Robert J. Crawford** (may only be completed by attorney or agent of record) at the address below.
16. ☒ A return postcard is enclosed.

Respectfully submitted,

CRAWFORD PLLC
1270 Northland Drive
Suite 390
St. Paul, MN 55120
(651) 686-6633

Date: Feb. 1st, 2001


Robert J. Crawford
Reg. No. 32,122

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: ZHENG ET AL.
 Docket: VLSI.225PA
 Title: OPTIMIZED METAL ETCH PROCESS TO ENABLE THE USE OF ALUMINUM PLUGS

CERTIFICATE UNDER 37 CFR 1.10

'Express Mail' mailing label number: EL083809836US

Date of Deposit: December 1, 1998

I hereby certify that this paper or fee is being deposited with the United States Postal Service 'Express Mail Post Office To Addressee' service under 37 CFR 1.10 and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

By: 

Name: Kelly J. Ledin

BOX PATENT APPLICATION
 Assistant Commissioner for Patents
 Washington, D.C. 20231

Sir:

We are transmitting herewith the attached:

- ☒ Transmittal sheet containing Certificate under 37 CFR 1.10.
- ☒ Patent Application: Pages Numbered 1-24; 26 claims; Abstract 1 pgs.
- ☒ 4 sheets of formal drawings
- ☒ A Declaration
- ☒ Assignment of the invention to VLSI Technology, Inc., Recordation Form Cover Sheet
- ☒ A check for \$40.00 to cover the Assignment Recording Fee.
- ☒ A check in the amount of \$1,102.00 to cover the Filing Fee
- ☒ Return postcard
- ☐ **PAYMENT OF THE FILING FEE IS BEING DEFERRED.**
- ☐ Other:

The fees are calculated as follows:

Basic Filing Fee = \$760.00

Fee for total number of claims in excess of 20 = $\$18 * (26 - 20) = \108.00 Fee for total number of independent claims in excess of 3 = $\$78 * (6 - 3) = \234.00

Total fees due = \$1,102.00

CRAWFORD PLLC
 333 Washington Avenue North, Suite 5000
 Minneapolis, MN 55401
 (612) 349-2700

By: 

Name: LeRoy D. Maunu

Reg. No.: 35,274